

Message

From: Murray, Annah [Murray.Annah@epa.gov]
Sent: 7/19/2017 9:47:08 PM
To: Lininger, Don [Lininger.Don@epa.gov]
CC: Kuziomko, Joseph [kuziomko.joseph@epa.gov]
Subject: RE: ORCR Project regarding OB/OD sites in Kansas
Attachments: CMIR_ODKO_Ranges_BP24_DF.jpg; SoilCleanupLevels.pdf; WaterCleanupLevels.pdf; SWMUs Subject to EPA Permit.pdf

Flag: Follow up

Hello,

For a little clarity I've attached the list of SWMUs and AOCs remaining in the GPDA Permit after the last permit mod in 2016, the table is sourced from the 2012 permit mod but I have meticulously mapped it and can verify that burn Pads 1 through 4 pictured in detail in the attached jpeg, also known as the 2700 Area, KAAP-010, and SWMU group 11 are still under our CA permit and subject to the soil and water restricted cleanup levels shown in the tables attached. They underwent Munitions and Explosives of Concern, or MEC removal actions detailed in the December 2016 final report that is currently in the records center. I can get that on Friday and scan and share it with Joseph then. Burn Pads 2 through 4 are currently seeking clean closure together with several other SWMUs. There is lots of groundwater monitoring data for this site. Let me know more specifically what you need and I can further narrow down the search.

Thanks,

Annah Murray

*Environmental Protection Specialist
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Region 7, Regional Office
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From: Lininger, Don
Sent: Wednesday, July 19, 2017 1:37 PM
To: Murray, Annah <Murray.Annah@epa.gov>
Subject: FW: ORCR Project regarding OB/OD sites in Kansas

FYI – not for sure if the unit's Richard references are on the GPDA or DZI property. Would you please follow-up with Joseph to see if he needs?

Thanks,

Don Lininger, CHMM
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From: Richard Flanary [KDHE] [<mailto:Richard.Flanary@ks.gov>]
Sent: Wednesday, July 19, 2017 1:28 PM
To: Kuziomko, Joseph <kuziomko.joseph@epa.gov>
Cc: Miles Stotts [KDHE] <Miles.Stotts@ks.gov>; Lininger, Don <Lininger.Don@epa.gov>; Kelly Peterson [KDHE] <Kelly.Peterson@ks.gov>
Subject: RE: ORCR Project regarding OB/OD sites in Kansas

Joe, here is some groundwater information for Burn Pad five minus all the attachments as with laboratory reports included the file is too large to email.

EPA has the entire Burn Pad 5 Groundwater Addendum Report as well as the one for Burn Pad 6, plus both Closure Reports for soil that they can hopefully send you electronically as they are all very large files to just email unzipped.

Richard L. Flanary, PE, MS
Hazardous Waste Permits Section
Phone: 785-296-6562
Fax: 785-296-1592
email: Richard.Flanary@ks.gov

From: Kuziomko, Joseph [<mailto:kuziomko.joseph@epa.gov>]
Sent: Tuesday, July 18, 2017 9:05 AM
To: Richard Flanary [KDHE] <Richard.Flanary@ks.gov>
Subject: RE: ORCR Project regarding OB/OD sites in Kansas

Richard,

Thanks for the quick reply. This is great information you gave us about the industrial RSK vs Residential RSK and that it included groundwater. Please let me know if you come across any data that was used for the ground water sampling or where I can find it?, it would be much appreciated. I will also attempt to contact Ken Herstowski and KC Corps of Engineers.

From: Richard Flanary [KDHE] [<mailto:Richard.Flanary@ks.gov>]
Sent: Monday, July 17, 2017 4:37 PM
To: Kuziomko, Joseph <kuziomko.joseph@epa.gov>
Cc: Pena-Molina, Ana <pena-molina.ana@epa.gov>; Shuster, Kenneth <Shuster.Kenneth@epa.gov>; Miles Stotts [KDHE] <Miles.Stotts@ks.gov>; Steve Sellmeyer [KDHE] <Steve.Sellmeyer@ks.gov>; Kelly Peterson [KDHE] <Kelly.Peterson@ks.gov>
Subject: RE: ORCR Project regarding OB/OD sites in Kansas

Joe,

For GPDA/D&ZKSLLC EPA(Ken Herstowski)/BER clean closed Burn Pad 6, a SWMU to Industrial RSK's and BWM clean closed Burn Pad 5, a RCRA interim status unit to Residential RSK's. This included groundwater.

The closure process for Burn Pads 5 and 6 started in 2009 and finished in 2016. Burn Pads 1-4 were closed many years ago, but may have been re-evaluated when the Army closed the facility.

EPA(Ken Herstowski)/BER also closed Burn Pads 1-4 as SWMU's that were historically operated in the past.

EPA has copies of everything in BER's and BWM's files on investigation and remediation activities for the Burn Pads 1-6 coordinated by the KC Corps of Engineers under various environmental contractors.

The KC Corps of Engineers might be willing to provide the actual dollars costs to EPA provided the Army/USDOD has no problems with the KC Corps of Engineers releasing the information assuming the information is easily retrievable..

I was not involved with SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF but EPA(Ken Herstowski)/BER probably have the file same information on its current status. I know the developer of the site's remediation ran out of funds and stalled its redevelopment which is still pending.

Richard L. Flanary, PE, MS
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From: Kuziomko, Joseph [<mailto:kuziomko.joseph@epa.gov>]
Sent: Monday, July 17, 2017 11:36 AM
To: Richard Flanary [KDHE] <Richard.Flanary@ks.gov>
Cc: Pena-Molina, Ana <pena-molina.ana@epa.gov>; Shuster, Kenneth <Shuster.Kenneth@epa.gov>
Subject: FW: ORCR Project regarding OB/OD sites in Kansas

From: Kuziomko, Joseph
Sent: Monday, July 17, 2017 12:28 PM
To: 'steve.sellmeyer@ks.gov' <steve.sellmeyer@ks.gov>; 'everett.spellman@ks.gov' <everett.spellman@ks.gov>; 'miles.stotts@ks.gov' <miles.stotts@ks.gov>; 'tiffini.wells@ks.gov' <tiffini.wells@ks.gov>
Cc: Shuster, Kenneth <Shuster.Kenneth@epa.gov>; Pena-Molina, Ana <pena-molina.ana@epa.gov>; Kohler, Amanda <Kohler.Amanda@epa.gov>
Subject: ORCR Project regarding OB/OD sites in Kansas

I am writing to seek information on the closure status of the Open Burn/Open Detonation (OB/OD) units listed below to assist ORCR in a new project to assess closure of OB/OD units. With this information, EPA will be able to identify, evaluate, and document procedures, techniques, and criteria to assess, clean up, and close OB/OD units/sites in a standardized manner.

EPA has been documenting soil and ground water contamination from OB/OD units and the costs to clean them up. Given the inordinate extent of contamination and costs of clean-up that have been reported, we are now seeking to

learn more about the monitoring, clean-up procedures, successes, and costs of these efforts. There is currently no national guidance on procedures to assess, monitor, and clean up OB/OD sites, nor metrics to achieve clean closure of OB/OD units. We are requesting information on the clean closure (CC) of OB/OD sites to assist us.

Please first verify the following codes for your facilities in Kansas.

Kansas							
FACILITY_ID	FACILITY_NAME	UNIT_NAME	UNITs	UNIT_DETAIL_SEQ	legal status	operating status	EFFECTIVE_DATE
KS3213820878	SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF	OPEN BURNING	14	2	IS	CC	20000501
KS0213820467	GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK	OPEN BURNING	25	3	IS	IN	20100628

Questions:

We have a number of questions we hope you can answer regarding your clean closed/closing sites. The operating status of the facilities will determine which sets of questions are to be answered. We understand that some of this data may be difficult to find but we would really appreciate if you could dig it up for us as it will help us move forward with this project and eventually help EPA update OB/OD closing procedures.

Clean Closed (CC) Facilities' questions:

1. Did these sites complete clean closure or are they still in the process of seeking to clean close? Yes GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ???? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
2. Did the state officially certify/approve the unit(s) Clean Closed (CC)? Yes GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ???? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation? Periodically GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
4. Was it OB or OD or both? OB GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ???
5. What sampling procedures were used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)? All, GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)? Pans. GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ???? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
7. What clean-up procedures and techniques were used to clean up the contaminants (e.g., excavation, soil sifting)? All, GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
1. What data was recorded and metrics used to evaluate the extent and levels of contamination? Analytical, GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
8. What criteria was used to certify clean closure (e.g., EPA action levels)? Kansas Industrial and Residential RSKs, GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF
9. What was the total cost to achieve Clean Closed (CC) status? KC Corps of Engineers contracted all work for GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF

10. **Inactive/Closing, but Not Yet RCRA Closed (IN) and Corrective Action and Superfund (CA, SF) Facilities' questions:** N/A GREAT PLAINS DEVELOPMENT AUTHORITY/GREAT PLAINS INDUSTRIAL PARK, ??? SUNFLOWER ARMY AMMUNITION PLANT - FORMER SITE OF

1. Are these units seeking to clean close?
2. If so, what criteria is being used to attempt clean closure (e.g., EPA action levels)?

3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation?
4. Was it OB or OD or both?
5. What sampling procedures are being used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)?
6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)?
7. What clean-up procedures and techniques are being used to clean up the contaminants (e.g., excavation, soil sifting)?
8. What data is being recorded and metrics being used to evaluate the extent and levels of contamination?
9. What is the total cost to date to remediate the site?

We plan to have a contractor gather this information on a select number of sites from the states. The purpose of this current effort is to gather information on the status of cleanup at these sites to help us identify which sites have the best information for our contractor to follow up with. Thus, for this effort, we seek answers to questions 1-4 and the last question in each set, and for the remaining questions we seek whether or not good information exists to answer these questions. We hope to receive this information by **July 31st**. Thank you for taking time to assist us with this project. If you have any questions, please feel free to reach out to us. Any information that you may be able to provide will be helpful in our project.

Sincerely,
Joseph Kuziomko
703-347-8168

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